Wednesday, 12/20/2006 11:58:59 AM @ate: Kim Johnston User: **Process Sheet** : CU-DAR001 Dart Helicopters Services **Drawing Name** : JET Customer : 29990 Job Number : 10583 **Estimate Number** : NIA : D2003077 P.O. Number Part Number S.O. No. : 11/ : -UNDER REVIEW : 12/20/2006 **Drawing Number** This Issue : NC Project Number : N/A Prsht Rev. MA : SMALL /MED FAB : A First Issue **Drawing Revision** :NIA : 29928A Material **Previous Run** : 1/15/2007 Each **Due Date** Qty: 11 Um: Written By Checked & Approved By Comment New issue KJ/JLM **Additional Product** Job Number: Description: Seq. #: **Machine Or Operation:** M6061T6T0375W035 6061-T6 Tube .375 x.035W 1.0 Comment: Qty.: 1.0625 f(s)/Unit Total: 11.6875 f(s) 6061-T6 Tube .375 x.035W Material: 6061-T6 tubing 0.375OD x 0.035" wall Batch: m 17931 (M6061T6T0.375W.035) 2.0 SMALL FAB 1 **3**0 Comment: SMALL & MEDIUM FAB RESOURCE 1 1- Cut (2) D2003-077 blanks per (1) DSI 9051 Kit 2- Cut blanks: 6.250" long as per template D2003-077 3-Form, drill & as per template D2003-077 mF. 07-01-09. Identify for D2003-077 516IN200 Set Screw Total: Comment: Qty.: 2.0000 Each(s)/Unit 22.0000 Each(s) Set Screw Pick: Description -Batch Ùίν Part Number M 19472 5/16"-18 NC -.200 Set Screw AN8186D Nut Comment: Qty.: 2.0000 Each(s)/Unit Total: 22.0000 Each(s) Nut Pick: Qty Part Number Description Batch m17651 Mr. AN818-6D Nut

, i

## Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES												
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector							
67-01-06	20	Remove flore. And pot at step 6.0 at assembly, After potting on the science. Perm. Charge	MF.	07-01-	/1	1	1							
			<u></u>			07-01-08 . OSI 043.	07.01.05							
07-01-09	6.0	Applied Lockfile 262 threadlocker. # m102963 on each screw.	MF.	07-01-	11		1							
		ADD TO 8400 6.0 perm. change	L		. "	03-01.15 081042	07-01.15							

		\$ °°.		QA: N/C C	losed:	Date:	
Part No: 8	3003-077 PAR#:_	Fault Category:	lenginesing (com	NCR: (Yes) No	DQA:	Date: 07/01/	31

NCR:	2999	W	ORK OR	DER NON-CONFORMANCE	E (NCR)			
		Description of NC		Corrective Action Section B		Verification	Approval Chief Eng	Approval QC Inspector
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section &		
07:01:08	2.0	w/o instructingulare wrong. Flare was made before the hardware was picked, and the sleeve was installed.	Q51042.	grind off the flowe As necessary to install ms20819-b) sleeve. Then flowe.	MF. 07-01- 09.	07.01.15	/a51042	07-01-08

NOTE: Date & initial all entries

Date: Wednesday, 12/20/2006 11:58:59 AM User: Kim Johnston **Process Sheet** Drawing Name: JET Customer: CU-DAR001 Dart Helicopters Services Part Number: D2003077 Job Number: 29990 Job Number: Seq. #: Description: Machine Or Operation: MS208196D Sleeve 5.0 Comment: Qty.: 2.0000 Each(s)/Unit Total: 22.0000 Each(s) Sleeve Pick: Batch Part Number Description MS20819-6D Sleeve m17054 SMALL & MEDIUM FAB RESOURCE 6.0 SMALL FAB 1 Comment: SMALL & MEDIUM FAB RESOURCE 1 Assemble as per Dwg D2003 Identify as D2003-077 QC5 7.0 Comment: INSPECT WORK TO CURRENT STEP PACKAGING RESOURCE #1 8.0 PACKAGING 1 Comment: PACKAGING RESOURCE #1 Identify and Stock Location: FINAL INSPECTION/W/O RELEASE QC21 9.0 Comment: FINAL INSPECTION/W/O RELEASE 07/01 Job Completion U. 67.01.31

Marine.

## **Dart Aerospace Ltd**

W/O:		WORK ORDER CHANGES												
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector							
			v.	:										
:			**											
Dard Na	,													

Part No:	_ PAR #:	Fault Category:	NCR: Yes No	DQA:	Date:
			QA: N/C C	losed:	Date:

NCR:		WORK ORDER NON-CONFORMANCE (NCR)											
		Description of NC		Corrective Action Section B	Verification	Approval Chief Eng	Approval QC Inspector						
DATE	STEP	Section A	Initial Action Description Chief Eng Chief Eng		Sign & Date			Section C					
		•											
	1							-					

NOTE: Date & initial all entries





	V			
DESIG	7)	DRAWN B	P	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
CHEC	P	APPROVE		DRAWING NO. REV. B
4	10			D2003 SHEET 1 OF 2
DATEV				TITLE SCALE
 99.0	6.08			206 CABIN HEATER TUBE ASSEMBLIES NTS
Α		90.04	.09	NEW ISSUE
В		99.06	80.8	UPDATE PER TEMPLATES; ADD P/N'S;

RELEASED 44.06.09 LED

NOTE: FLAT LENGTHS MAYRE UNDER REVIEW INCORRECT. BEND TO BENT CC. 08-21 CB 10

JADER REVIEW C8

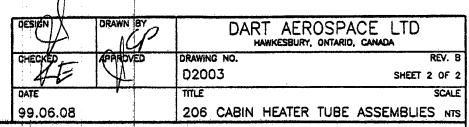
CC.08.21 CB 100 CO.12. 13 SHOP COPY

RETURN TO

TOOL. RE	PORT TO	ENGINE	ERING	\$					الجا ليد	Aura aroug	RETURN TO	
on corr	ECT FLAT	LENG	7 H					nı			ENGINEERING	COPY
OID COICK	ECT TEAT		, ,,	SLEEVE		MS20819-8D SLEEVE		MS20819-ED SLEEVE			1 -mp 01 1 ED	CO1 1
İ					1	Щ		1 11	:		UNCONTROLLED SUBJECT TO AMENT	WENT
į		ш	-	3	E	3	5	3	5		SUBJECT TO AMENU WITHOUT NOTI WORK ORDE NO.	CE MAO
1		HEATSLEEVE LENGTH¹	CUT LENGTH OF TUBE <sup>2</sup>	2	AN818-8J NUT	8	AN818-8D NUT	8	AN818-6D NUT		WITHOUT	R 79910
	l	<u> </u>	N N	3	2	귤	8	<u>a</u>	8		WORK ORDI	20
		S E	35	MS20819-8J	<u>∞</u>	န္တ	8	8	쿌		10.00	
Ì	į	₹ Ž	5.	22	9	8	<u>\$</u>	22	8		NO.	VENDOR OR
P/N	TEMPLATE	22	50	2	₹	2	₹	\$	₹	DESC.	MATERIAL467	SPEC
D2003-001	T2003-001	5.2	6.00	1	<del>-</del>	-		2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-001	T2003-001	7.3	8.12	1	-			2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-005	T2003-005	9.8	10.62	<del>                                     </del>	-			2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-003	T2003-007	20.0	19.63	<del>                                     </del>		-		2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-007	T2003-007	12.38	12.44	1				2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-009 D2003-011	T2003-009	33.31	32.38	+				2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-011	T2003-011	12.7	13,54	1		-		2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-013	T2003-015	17.2	18.00	1	<b> </b>			2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-013	T2003-013	17.0	16.25	-				2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-017	T2003-017	9.8	10.62	+		2	2			TUBE ASS'Y	6061-T6 0,500 OD x 0,035 W	WW-T-700/6
D2003-019 D2003-021	T2003-019	N/A	2.25	+		2	2	-		TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-700/6
D2003-021	T2003-021	4.5	5.33	1	<del></del>	2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	VW-T-700/6
D2003-025	T2003-025	9.8	10.60	1	<del></del>	2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-700/6
D2003-023 D2003-027	T2003-023	7.25	7.38			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-700/6
D2003-027	T2003-027	17.2	18.00	-		2	2		+	TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-700/6
D2003-029	T2003-025	14.6	15.38	2	2					TUBE ASS'Y	CRES 0.500 QD x 0.035 W	AISI 304
D2003-031	T2003-031	29.75	29.62	2	2	-			******	TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-035	T2003-035	24.7	27.00	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-033	T2003-033	24.81	23.38	2	2	<del> </del>				TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-037	T2003-037	34.0	34.00	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-039 D2003-041	T2003-039	6.0	5.88	2	2	<del></del>				TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-041	T2003-041	11.7	10.75	2	2		-		7	TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-045	T2003-045	3.50	2.44	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-043	T2003-047	5.56	5.56	2	2				-	TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-049	T2003-049	33.2	34.00	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-077	T2003-077	N/A	6.25	-				1	1	JET	6061-T6 0.375 QD x 0.035 W	WW-T-700/6
D2003-101	T2003-101	13.25	13.13		1			2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0,035 W	WW-T-600/6
D2003-107	T2003-101	12.38	12.00		1			2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-600/6
D2003-105	T2003-105	10.75	10.60			:		2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-600/6
D2003-107	T2003-107	12.75	12.25				-	2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-600/6
D2003-109	T2003-109	8.25	8.125		- 1	2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-600/6
D2003-111	T2003-111	4.75	4.625		<del></del>	2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-600/6
D2003-116	T2003-116	4.0		1		:				HEATSLEEVE	M2650-20 CRINKLE-SOFT	STRATOFLEX
D2003-120	T2003-120	4.0					-			HEATSLEEVE	M2650-16 CRINKLE-SOFT	STRATOFLEX
D2003-120	T2003-14	4.0				-				HEATSLEEVE	M2650-14 CRINKLE-SOFT	STRATOFLEX
D2003-16	T2003-16	4.0		1		!				HEATSLEEVE	M2650-16 CRINKLE-SOFT	STRATOFLEX
D2003-205	T2003-205	9.75	9.60					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-207	T2003-207	3.75	3.75	1				2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
						;			1		·	
أستناه بالمستحيية ويتأ	· · · · · · · · · · · · · · · · · · ·			**********		-			_	أسنسسب سيستم	<u></u>	<del> </del>







UNDER REVIEW SHOP COPY ENGINEERING

WORK ORDER

Notes:

(1) USE STRATOFLEX M2650-6 CRINKLE-SOFT HEATSLEEVE.

(2) TUBING ASSEMBLIES TO BE CUT AND BENT IN ACCORDANCE WITH TEMPLATES. UNCONTROLLED COP WITHOUT NOTICE

(3) TUBES TO BE FLARED 30° TO MATE WITH FITTINGS MADE TO MS33514.

(4) ENSURE SEAMLESS TUBING IS USED.

(5) INSTALL HEATSLEEVE OVER ALL TUBES WITH A DESIGNATED LENGTH OF HEATSLEEVE PER THE PARTS LIST.

(6) 5052 (WW-T-700/4) TUBING MAY BE SUBSTITUTED WHEN 6061 TUBING IS NOT AVAILABLE.

(7) 0.049 WALL THICKNESS CRES TUBING MAY BE SUBSTITUTED WHEN 0.035 IS NOT AVAILABLE.

(8) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED.

